



Structural Comparison			
ITEM	09/677,502	Friedman (US5908704)	Taga (GB2122919)
Film Material	Indium-tin Oxide, Antimony-tin Oxide, Tin-fluorine Oxide, Tin-antimony Oxide	Surface treatment for protective grazing laminates	
Film Thickness	1000-15000Å (100-1500nm)		2000-10000Å (200-1000nm), 3000-5000Å (300-500nm)
Film Material and Thickness in Examples	Indium-tin Oxide: 4000Å; Tin-antimony Oxide: 2500Å		Indium-tin Oxide: 4000Å, Tin+ Oxide: 4000Å~8000Å
Film Characteristics	λ Reflectance 1500nm ≥ 50%, 2500nm ≥ 70%, 3000nm ≥ 80%	Reflection for heat ray in fire	λ Reflectance for heat ray 1500nm < 50%, 2500nm < 70%, 3000nm (not described)
Resin Intermediate Layer	Fluorocarbon resin, Polycarbonate resin, Polyethylene terephthalate resin	Fluorocarbon resin, Polyvinylbutyral film, Methacrylate-base film	Polybutyral resin
Intermediate Film Examples and Thickness	Fluorocarbon resin :500μm, Polyethylene terephthalate resin :200μm	Fluorocarbon resin :350μm ~750μm	



Kinds of Glass	Transparent crystallized glass; Polosilicate system glass; Tempered glass	Soda glass; Crystallized glass; Soda-lime-silicate glass; Keraglass	Glass for automobiles
Kinds of Glass in Examples	Transparent crystallized glass; Tempered borosilicate glass	Soda glass	Glass for automobiles
Window Characteristics	Transmittance for visible rays: 60% or more	Window glass for general use (no limitation)	Window glass for general automobile use